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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/509,409

09/23/2004

Christoph Gerard August Hoclen

NL 020264

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08/09/2007

PHILIPS INTELLECTUAL PROPERTY & STANDARDS

P.O. BOX 3001

BRIARCLIFF MANOR, NY 10510

EXAMINER

LEE, Y MY QUACH

ART UNIT

PAPER NUMBER

2885

MAIL DATE

DELIVERY MODE

08/09/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)	
10/509,409	HOELEN ET AL.	
Examiner	Art Unit	
Lee Y Quach	2885	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 May 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 and 7-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 17-20 is/are allowed.
- 6) ☒ Claim(s) 1, 7-9 and 13-16 is/are rejected.
- 7) ☒ Claim(s) 2,3 and 10-12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed May 50, 2007 with respect to the effective filing date of the applicant's present application of March 28, 2002 which is before the Gotoh U.S. filing date of October 4, 2002 have been fully considered and are persuasive. Therefore, the rejections of claims 1 to 3, 7 to 9 and 13 to 16 under Gotoh et al. have been withdrawn. However, upon further consideration, a new ground of rejection is made in view of Osumi (JP 2001-281456).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claims 1, 7, 8, 13, 15, and 16 are rejected under 35 U.S.C. 102(a) as being anticipated by Osumi (JP 2001-281456).

Osumi shows a light emitting panel (14, figure 2) comprising a front wall (14B), a rear wall (14C) situated opposite to the front wall, a first edge surface (14A) being light transmitted, a second edge surface (14F) opposite the first edge surface such that the second edge surface is reflecting with respect to light inside the panel, the surface of the second edge surface having a specularly or diffusely reflecting material (17), at least a first light source (15) associated with the first edge surface, the light source comprising at least two light emitting diodes with different light emission wavelengths (15A, 15B), light originating from the first light source incident on the first edge surface and distributed in the panel, the panel widens over a widening section from the first edge surface in a direction towards the second edge surface (figure 2A and 2B), the rear wall provided over the widening section with a plurality of steps (14E) of which a surface facing the front wall is substantially parallel to the front wall, a further surface (14D) of the steps making an angle (θ_1) of 45 degrees with respect to a normal on the front wall which is within the range of $48^\circ < \beta < 48^\circ$, and a display device comprising a liquid crystal display (LCD 2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2885

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Osumi (JP 2001-281456) in view of Lammers (prior art previously cited).

Osumi discloses the invention substantially as claimed with the exception of having the front wall provided with a translucent diffuser.

Lammers teaches that it is known in the art to have the front wall provided with a translucent diffuser.

It would have been obvious to one skilled in the art to provide the front wall of Osumi with a translucent diffuser, as shown by Lammers, to diffuse and uniform the light coupled out from wall.

Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Osumi (JP 2001-281456) in view of Lammers (prior art previously cited).

Osumi discloses the invention substantially as claimed with the exception of having the light emitting diode at least 5 lm.

Lammers teaches that it is known in the art to use light emitting diode having at least 5 lm (column 9, lines 2 to 3) in light emitting panel display device.

It would have been obvious to one skilled in the art to provide the light emitting diode of Osumi with at least 5 lm, as shown by Lammers, for the advantage of enabling the light to be coupled into the light emitting panel with a higher efficiency, hardly emitting heat as well as issuing detrimental radiation, and to overall provide a compact illumination system.

5. Claims 2, 3, 10 to 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. Claims 17 to 20 are allowed.

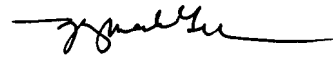
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y Quach Lee whose telephone number is 571-272-2373. The examiner can normally be reached on Monday to Thursday from 8:30 am to 2:30 pm.

Art Unit: 2885

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service 571-272-2815.

Y. Q.
August 2, 2007


Y Quach Lee
Primary Examiner
Art Unit 2885